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1 **A feedback model of visual attention**
Janakiraman, J.; Unnikrishnan, K.P.;
Neural Networks, 1992. IJCNN., International Joint Conference on ,Volume: 3 , 7-11 June 1992
Pages:541 - 546 vol.3

[Abstract] [PDF Full-Text (336KB)] **IEEE CNF**

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1 **A dual band low PIM feed system for Cassegrain applications**
Beadle, M.; Casey, S.; Schwerdtfeger, R.;
Antennas and Propagation Society International Symposium, 1999. IEEE ,Volume: 1 , 11-16 July 1999
Pages:696 - 699 vol.1

[Abstract] [PDF Full-Text (112KB)] **IEEE CNF**

2 **A tri-band reflector antenna with dual band TE_{21} mode tracking**
Patel, S.; Schwerdtfeger, R.; Chugh, R.; Webb, J.;
Antennas and Propagation Society International Symposium, 1999. IEEE ,Volume: 1 , 11-16 July 1999
Pages:700 - 703 vol.1

[Abstract] [PDF Full-Text (120KB)] **IEEE CNF**

3 **A low-loss dual polarized feed system for broadband communication antennas**
Schwerdtfeger, R.;
Antennas and Propagation Society International Symposium, 1984 ,Volume: 22 , Jun 1984
Pages:599 - 603

[Abstract] [PDF Full-Text (240KB)] **IEEE CNF**

4 **A coaxial dual mode feed system**
Schwerdtfeger, R.;
Antennas and Propagation Society International Symposium, 1979 ,Volume: 17 , Jun 1979
Pages:286 - 289

[Abstract] [PDF Full-Text (200KB)] **IEEE CNF**

5 **Development of a wide-band quadrature junction for simultaneous C-band and Ku-band satellite communication applications**
Hoferer, R.A.; Schwerdtfeger, R.;
Antennas and Propagation Society International Symposium, 2002. IEEE ,Volume: 4 , 16-21 June 2002
Pages:116 - 119 vol.4

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1 **Temperature dependence of 1/f noise in polysilicon-emitter bipolar transistors**
Enhai Zhao; Celik-Butler, Z.; Thiel, F.; Dutta, R.;
Electron Devices, IEEE Transactions on ,Volume: 49 , Issue: 12 , Dec. 2002
Pages:2230 - 2236

[Abstract] [PDF Full-Text (527KB)] **IEEE JNL**

2 **Traffic grooming in WDM networks: past and future**
Dutta, R.; Rouskas, G.N.;
Network, IEEE ,Volume: 16 , Issue: 6 , Nov.-Dec. 2002
Pages:46 - 56

[Abstract] [PDF Full-Text (1512KB)] **IEEE JNL**

3 **On optimal traffic grooming in WDM rings**
Dutta, R.; Rouskas, G.N.;
Selected Areas in Communications, IEEE Journal on ,Volume: 20 , Issue: 1 , Jan. 2002
Pages:110 - 121

[Abstract] [PDF Full-Text (234KB)] **IEEE JNL**

4 **A physical and circuit level approach for modeling turn-off characteristics of GTOs**
Dutta, R.; Cheanlung Tsay; Rothwarf, A.; Fischl, R.;
Power Electronics, IEEE Transactions on ,Volume: 9 , Issue: 6 , Nov. 1994
Pages:560 - 566

[Abstract] [PDF Full-Text (568KB)] **IEEE JNL**

5 **DSS: a distributed high-level synthesis system**
Roy, J.; Kumar, N.; Dutta, R.; Vemuri, R.;
Design & Test of Computers, IEEE ,Volume: 9 , Issue: 2 , June 1992
Pages:18 - 32

[Abstract] [PDF Full-Text (1132KB)] **IEEE JNL**

6 **A new analytical model for gated turn-off of thyristors**
Dutta, R.; Rothwarf, A.;

Electron Devices, IEEE Transactions on ,Volume: 39 , Issue: 7 , July 1992
Pages:1752 - 1757

[Abstract] [PDF Full-Text (484KB)] IEEE JNL

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7 **Design considerations for p-i-n thyristor structures**
Dutta, R.; Rothwarf, A.;
Power Electronics, IEEE Transactions on ,Volume: 7 , Issue: 2 , April 1992
Pages:430 - 435

[Abstract] [PDF Full-Text (508KB)] IEEE JNL

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8 **A new physical model for calculating storage time in GTO thyristors**
Dutta, R.; Rothwarf, A.;
Electron Device Letters, IEEE ,Volume: 12 , Issue: 3 , March 1991
Pages:131 - 133

[Abstract] [PDF Full-Text (188KB)] IEEE JNL

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9 **An investigation of a segmented rotor interior permanent magnet (IPM) machine for field weakening**
Rahman, F.; Dutta, R.;
Power Electronics and Drive Systems, 2003. PEDS 2003. The Fifth International Conference on ,Volume: 1 , 17-20 Nov. 2003
Pages:491 - 496 Vol.1

[Abstract] [PDF Full-Text (502KB)] IEEE CNF

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10 **A new rotor design of interior permanent magnet machine suitable for wide speed range**
Rahman, F.; Dutta, R.;
Industrial Electronics Society, 2003. IECON '03. The 29th Annual Conference of the IEEE ,Volume: 1 , 2-6 Nov. 2003
Pages:699 - 704 vol.1

[Abstract] [PDF Full-Text (360KB)] IEEE CNF

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11 **Determination of tea quality by using a neural network based electronic nose**
Dutta, R.; Hines, E.L.; Gardner, J.W.; Kashwan, K.R.; Bhuyan, M.;
Neural Networks, 2003. Proceedings of the International Joint Conference on ,Volume: 1 , 20-24 July 2003
Pages:404 - 409 vol.1

[Abstract] [PDF Full-Text (461KB)] IEEE CNF

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12 **Wavelength sensitive polarimeter for multichannel polarization and PMD monitoring**
Westbrook, P.; Moller, L.; Chandrasekhar, S.; Dutta, R.; Wielandy, S.;
Optical Fiber Communication Conference and Exhibit, 2002. OFC 2002 , 17-22 March 2002
Pages:257 - 259

[Abstract] [PDF Full-Text (351KB)] IEEE CNF

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13 **Modeling and characterization of the limits of transistor operation due to quasisaturation**

Dutta, R.; Thiel, F.;
Bipolar/BiCMOS Circuits and Technology Meeting, 2002. Proceedings of the
2002 , 29 Sept.-1 Oct. 2002
Pages:53 - 56

[Abstract] [PDF Full-Text (418KB)] **IEEE CNF**

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14 **Insulated gate triac: device operation and applications**
Ajit, J.S.; Dutta, R.; Kinzer, D.;
Power Electronics Specialists Conference, 1998. PESC 98 Record. 29th Annual IEEE
,Volume: 2 , 17-22 May 1998
Pages:1180 - 1185 vol.2

[Abstract] [PDF Full-Text (304KB)] **IEEE CNF**

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15 **MOS-gated three-terminal bi-directional switch**
Dutta, R.; Ajit, J.S.; Kinzer, D.;
Power Semiconductor Devices and ICs, 1998. ISPSD 98. Proceedings of the 10th
International Symposium on , 3-6 June 1998
Pages:213 - 216

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1 **A multimedia document model for continuous media**
Emery, J.; Karmouch, A.;
Electrical and Computer Engineering, 1993. Canadian Conference on , 14-17 Sept. 1993
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[Abstract] [PDF Full-Text (228 KB)] **IEEE CNF**

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2 **A market-based economic model for multi-media object storage and distribution**
Narayan, S.; Losleben, P.; Fah-Chun Cheong;
Multi-Media Database Management Systems, 1995. Proceedings., International Workshop on , 28-30 Aug. 1995
Pages:118 - 125

[Abstract] [PDF Full-Text (792 KB)] **IEEE CNF**

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3 **An object oriented model for multimedia objects**
Ismail, L.S.;
Electronics, Circuits and Systems, 2000. ICECS 2000. The 7th IEEE International Conference on , Volume: 1 , 17-20 Dec. 2000
Pages:70 - 73 vol.1

[Abstract] [PDF Full-Text (236 KB)] **IEEE CNF**

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4 **Allocating data objects to multiple sites for fast browsing of hypermedia documents**
Siu-Kai So; Ahmad, I.; Karlapalem, K.;
Computer Software and Applications Conference, 1998. COMPSAC '98. Proceedings. The Twenty-Second Annual International , 19-21 Aug. 1998
Pages:406 - 411

[Abstract] [PDF Full-Text (44 KB)] **IEEE CNF**

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5 **Software for audio delivery and navigation**
Li Weihua;
Intelligent Processing Systems, 1997. ICIPS '97. 1997 IEEE International Conference on , Volume: 2 , 28-31 Oct. 1997
Pages:1702 - 1704 vol.2

[Abstract] [PDF Full-Text (345 KB)] **IEEE CNF**

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6 **Universal data access with OLE DB**
Blakeley, J.A.;
Compcon '97. Proceedings, IEEE , 23-26 Feb. 1997
Pages:2 - 7

[Abstract] [PDF Full-Text (604 KB)] **IEEE CNF**

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7 **Meta-data modelling for quality of service (QoS) management in the World Wide Web (WWW)**
Madja, E.; Hafid, A.; Dssouli, R.; von Bochmann, G.; Gecsei, J.;
Multimedia Modeling, 1998. MMM '98. Proceedings. 1998 , 12-15 Oct. 1998
Pages:223 - 230

[Abstract] [PDF Full-Text (44 KB)] **IEEE CNF**

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8 **Interactive multimedia on the World Wide Web**
Wunnava, S.V.; Williams, T.;
Southeastcon '99. Proceedings. IEEE , 25-28 March 1999
Pages:110 - 115

[Abstract] [PDF Full-Text (300 KB)] **IEEE CNF**

A market-based economic model for multi-media object storage and distribution

Narayan, S. Losleben, P. Fah-Chun Cheong
Dept. of Electr. Eng., Stanford Univ., CA, USA;

This paper appears in: **Multi-Media Database Management Systems, 1995. Proceedings., International Workshop on**

Meeting Date: 08/28/1995 - 08/30/1995
Publication Date: 28-30 Aug. 1995
Location: Blue Mountain Lake, NY USA
On page(s): 118 - 125
Reference Cited: 14
Inspec Accession Number: 5074282

Abstract:
Unlike conventional text-based information, media **objects** such as **audio**, **video**, images, graphics, are much larger in size. The recent proliferation of World-Wide Web multimedia compound **documents** on the Internet has resulted in ever escalating network traffic, whose rate will not be sustainable for long before encountering serious performance problems. We have devised an integrated framework covering aspects of both data storage and data distribution of multimedia **objects**. Our approach uses a market-based economic **model** incorporating four economic paradigms (i.e. client-consultant, landlord-tenant, carrier-passenger, and franchisor-franchisee paradigms) to handle policies of data caching, replication and migration. Our approach is novel in that: (1) it provides an automatic way for managing multimedia objects in a decentralized fashion, and (2) it is object-centric and thus allows providers and users of objects to contribute to the object distribution policies using the same market pricing mechanisms that also govern storage and distribution of the multimedia objects themselves

Index Terms:
Internet World-Wide Web multimedia compound **documents** **audio** automatic multimedia **object** management cache storage data caching data distribution data storage economics graphics images integrated framework market pricing mechanisms market-based economic **model** migration multimedia computing multimedia **object** distribution multimedia **object** storage **object**-centric method **object**-oriented databases replication **video** Internet World-Wide Web multimedia compound **documents** **audio** automatic multimedia **object** management cache storage data caching data distribution data storage economics graphics images integrated framework market pricing mechanisms market-based economic **model** migration multimedia computing multimedia **object** distribution multimedia **object** storage **object**-centric method **object**-oriented databases replication **video**

A multimedia document model for continuous media

Emery, J. Karmouch, A.
Dept. of Electr. Eng., Ottawa Univ., Ont., Canada;

This paper appears in: **Electrical and Computer Engineering, 1993. Canadian Conference on**

Meeting Date: 09/14/1993 - 09/17/1993
Publication Date: 14-17 Sept. 1993
Location: Vancouver, BC Canada
On page(s): 640 - 643 vol.2
Reference Cited: 7
Inspec Accession Number: 4811704

Abstract:
Multimedia **documents** are created by including information from various media in a single entity referred to as a **document**. A **document model** is required by an editor in order to represent the **document** electronically. Multimedia **document models** must contain temporal information so that the representation of continuous media, such as **audio** and **video**, is sufficient for the rendering of those media **objects**. In this paper, we present a multimedia **document model** called MEDIADOC

Index Terms:
MEDIADOC **audio** continuous medi **document** handling multimedia **document** architecture multimedia **document model** multimedia systems rendering synchronization synchronisation temporal information **video** MEDIADOC **audio** continuous medi **document** handling multimedia **document** architecture multimedia **document model** multimedia systems rendering synchronization synchronisation temporal information **video**

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